

Re: "ifconfig -vlandev" syntax

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/current/2005-09/1139.html>

From: Yar Tikhyy (yar_at_comp.chem.msu.su)

Date: 09/30/05

Date: Fri, 30 Sep 2005 03:03:45 +0400

To: Fredrik Lindberg <fli+freebsd-current@shapeshifter.se>

On Thu, Sep 29, 2005 at 06:23:10PM +0200, Fredrik Lindberg wrote:
> *Yar Tikhyy wrote:*
> > *On Sun, Sep 25, 2005 at 02:37:41PM -0700, Brooks Davis wrote:*
> >
> > > *On Thu, Sep 22, 2005 at 02:41:05PM +0400, Yar Tikhyy wrote:*
> > >
> > > > *As our ifconfig(8) is growing more options for special interface*
> > > > *types, inconsistencies sneak into their syntax. In particular,*
> > > > *-vlandev takes a useless argument (vlan(4) cannot attach to more*
> > > > *than one parent anyway) while, e.g., -carpdev doesn't need one.*
> > > > *Personally, I like the latter since having to type unneeded words*
> > > > *on the command line annoys me. Do you think that making -vlandev*
> > > > *need no arguments in CURRENT would break many existing things?*
> > >
> > > *I agree the argument is useless. Unfortunately, it's going to be hard to*
> > > *deprecate the old syntax so we may need to keep it around.*
> >
> >
> > *Alas, there doesn't seem to exist an easy way to support both*
> > *syntaxes in the ifconfig(8) parameter parser. Perhaps we can*
> > *survive the pain of syntax change in CURRENT only, with a*
> > *heads-up message sent, release notes updated, etc? I wonder*
> > *if many people use "ifconfig -vlandev XXX" in automated tools.*
> >
> >
> *Why not use something simple such as the following (maybe even*
> *without that printf()).*
>
> *root@genesis> ./ifconfig vlan0 create*
> *root@genesis> ./ifconfig vlan0 vlan 1 vlandev em0*
> *root@genesis> ./ifconfig vlan0 -vlandev*
> *root@genesis> ./ifconfig vlan0 vlan 1 vlandev em0*
> *root@genesis> ./ifconfig vlan0 -vlandev em0*
> *Passing interface to -vlandev is deprecated.*
>
>
> *Index: ifvlan.c*

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>
=====
> RCS file: /home/ncvs/src/sbin/ifconfig/ifvlan.c,v
> retrieving revision 1.7
> diff -u -r1.7 ifvlan.c
> --- ifvlan.c 31 Dec 2004 19:46:27 -0000 1.7
> +++ ifvlan.c 29 Sep 2005 16:19:32 -0000
> @@ -130,6 +130,9 @@
> {
> struct vlanreq vreq;
>
> + if (val != NULL)
> + fprintf(stderr, "Passing interface to -vlandev is
> deprecated.\n");
> +
> + bzero((char *)&vreq, sizeof(struct vlanreq));
> + ifr.ifr_data = (caddr_t)&vreq;
>
> @@ -148,7 +151,7 @@
> static struct cmd vlan_cmds[] = {
> DEF_CMD_ARG("vlan", setvlantag),
> DEF_CMD_ARG("vlandev", setvlandev),
> - DEF_CMD_ARG("-vlandev", unsetvlandev),
> + DEF_CMD_OPTARG("-vlandev",
> unsetvlandev),
> DEF_CMD("vlanmtu", IFCAP_VLAN_MTU, setifcap),
> DEF_CMD("-vlanmtu", -IFCAP_VLAN_MTU, setifcap),
> DEF_CMD("vlanhwtag", IFCAP_VLAN_HWTAGGING, setifcap),
```

Thank you very much for this suggestion! I missed DEF_CMD_OPTARG() completely, perhaps because it didn't seem to be used in ifconfig *.c files yet.

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Yar

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